AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of updating a non-essential region stored in a memory device in a computer system, the method comprising:

building an image file, the image file comprising an essential region for storing program code required for booting the computer system and a non-essential region for storing optional program code for the computer system;

copying the image file to a memory device in the computer system; and

following copying the image file to the memory device in the computer system, updating only the non-essential region in the memory device to update the non-essential data optional program code for the computer system.

- 2. (Original) The method of claim 1, wherein the non-essential region in the image file comprises at least one non-essential block.
- 3. (Original) The method of claim 2, further comprising reserving at least one of a plurality of sectors in the memory device for storing the at least one non-essential block.
- 4. (Original) The method of claim 3, wherein updating the non-essential region in the memory device comprises mapping the at least one non-essential block to the at least one reserved sector in the memory device.
- 5. (Original) The method of claim 3, wherein updating the non-essential region in the memory device comprises mapping each non-essential block to a portion of the at least one reserved sector in the memory device.
- 6. (Original) The method of claim 5, wherein the portion of the at least one reserved sector in the memory device is a paragraph multiple.

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7. (Original) The method of claim 1, wherein the program code in the essential region comprises a power-on self test (POST) routine.

- 8. (Original) The method of claim 2, wherein the at least one non-essential block comprises a header and at least one module.
- 9. (Original) The method of claim 8, wherein the header is located at the beginning of the at least one non-essential block.
- 10. (Original) The method of claim 8, wherein the header comprises a pointer to a first module in the at least one non-essential block.
- 11. (Original) The method of claim 8, wherein the at least one module comprises a module header and module data.
- 12. (Original) The method of claim 11, wherein the module header comprises a pointer to a next module in the at least one non-essential block.
- 13. (Original) The method of claim 11, wherein the module data comprises at least one of:

graphics data; a language module; and diagnostic tools.

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14. (Currently Amended) A computer system for updating non-essential data in a memory device, comprising:

- a memory device for storing an image file, the image file comprising an essential region for storing program code required for booting the computer system and a non-essential region for storing optional program code for the computer system;
- a memory for storing a program containing code for updating the image file stored in a memory device; and
- a processor, functionally coupled to the memory and associated with the memory device, wherein the processor is responsive to computer-executable instructions contained in the program and operative to:

copy the image file to the memory device; and update only the non-essential region in the memory device to update the non-essential data in the memory device after copying the image file.

- 15. (Original) The computer system of claim 14, wherein the non-essential region in the image file comprises at least one non-essential block.
- 16. (Original) The computer system of claim 15, wherein the memory device comprises a plurality of sectors for storing the at least one non-essential block.
- 17. (Original) The computer system of claim 15, wherein the at least one non-essential block comprises a header and at least one module.
- 18. (Original) The computer system of claim 17, wherein the header is located at the beginning of the non-essential block.
- 19. (Original) The computer system of claim 17, wherein the at least one module comprises a module header and module data.
- 20. (Original) The computer system of claim 19, wherein the module data comprises program code.

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21. (Original) The computer system of claim 19, wherein the module data comprises at least one of:

graphics data; a language module; and

diagnostic tools.

- 22. (Original) The computer system of claim 14, wherein the essential region in the image file comprises critical program code.
- 23. (Original) The computer system of claim 22, wherein the critical program code comprises a power-on self test (POST) routine.
- 24. (Currently Amended) A computer-readable medium having computer-executable instructions for performing steps comprising:

building an image file, the image file comprising an essential region for storing program code required for booting the computer system and a non-essential region for storing optional program code for the computer system;

copying the essential region and the non-essential region to the a memory device; and following copying the essential region and the non-essential region to the memory device, updating only the non-essential region in the memory device.

- 25. (Original) The computer-readable medium of claim 24, wherein the non-essential region in the image file comprises at least one non-essential block.
- 26. (Original) The computer-readable medium of claim 25, further comprising reserving at least one of a plurality of sectors in the memory device for storing the at least non-essential block.
- 27. (Original) The computer-readable medium of claim 26, wherein updating only the non-essential region in the memory device comprises mapping the at least one non-essential block to the at least one reserved sector in the memory device.

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28. (Original) The computer-readable medium of claim 26, wherein updating only the non-essential region in the memory device comprises mapping each non-essential block to a portion of the at least one reserved sector in the memory device.

- 29. (Original) The computer-readable medium of claim 28, wherein the portion of the at least one reserved sector in the memory device is a paragraph multiple.
- 30. (Original) The computer-readable medium of claim 24, wherein the program code in the essential region comprises a power-on self test (POST) routine.
- 31. (Original) The computer-readable medium of claim 25, wherein the at least one non-essential block comprises a header and at least one module.
- 32. (Original) The computer-readable medium of claim 31, wherein the header is located at the beginning of the at least one non-essential block.
- 33. (Original) The computer-readable medium of claim 31, wherein the header comprises a pointer to a first module in the at least one non-essential block.
- 34. (Original) The computer-readable medium of claim 31, wherein the at least one module comprises a module header and module data.
- 35. (Original) The computer-readable medium of claim 34, wherein the module header comprises a pointer to a next module in the at least one non-essential block.
- 36. (Original) The computer-readable medium of claim 34, wherein the module data comprises program code.

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37. (Original) The computer-readable medium of claim 34, wherein the module data comprises at least one of:

graphics data;
a language module; and
diagnostic tools.

38. (Currently Amended) A method of utilizing a non-essential region in a memory device for executing updated program code, the method comprising:

searching the non-essential region in the memory device for at least one module, wherein the memory device comprises a plurality of modules containing program code for-the_a computer system; and

if the at least one module is found in the non-essential region, then executing the program code in the at least one module, wherein the at least one module in the non-essential region contains an updated version of the program code for the computer system.

39. (Original) The method of claim 38, further comprising:

if the at least one module is not found in the non-essential region, then searching an essential region in the memory device for the at least one module, wherein the at least one module in the essential region contains a current version of the program code for the computer system; and

if the at least one module is found in the essential region, then executing the program code in the at least one module.

- 40. (Original) The method of claim 38, wherein the at least one module further comprises a module header, the module header comprising an identification of the program code contained in the at least one module.
- 41. (Original) The method of claim 38, wherein the updated version of the program code contained in the non-essential region comprises updated program code for a BIOS in the computer system.